

इंटरनेट

मानक

Disclosure to Promote the Right To Information

Whereas the Parliament of India has set out to provide a practical regime of right to information for citizens to secure access to information under the control of public authorities, in order to promote transparency and accountability in the working of every public authority, and whereas the attached publication of the Bureau of Indian Standards is of particular interest to the public, particularly disadvantaged communities and those engaged in the pursuit of education and knowledge, the attached public safety standard is made available to promote the timely dissemination of this information in an accurate manner to the public.

“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

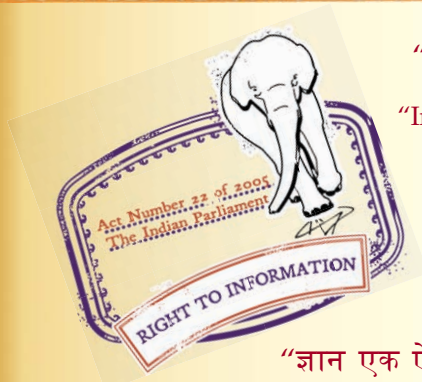
“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 6944 (1973): Bottle, Bijou, Bacteriological [MHD 10:
Medical Laboratory Instruments]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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Indian Standard
SPECIFICATION FOR
BOTTLE, BIJOU, BACTERIOLOGICAL

"RE-AFFIRMED 1996"

1. Scope — Specifies dimensional and other requirements of Bijou bacteriological bottles in 6, 10 and 15 ml capacity used in pathological work.

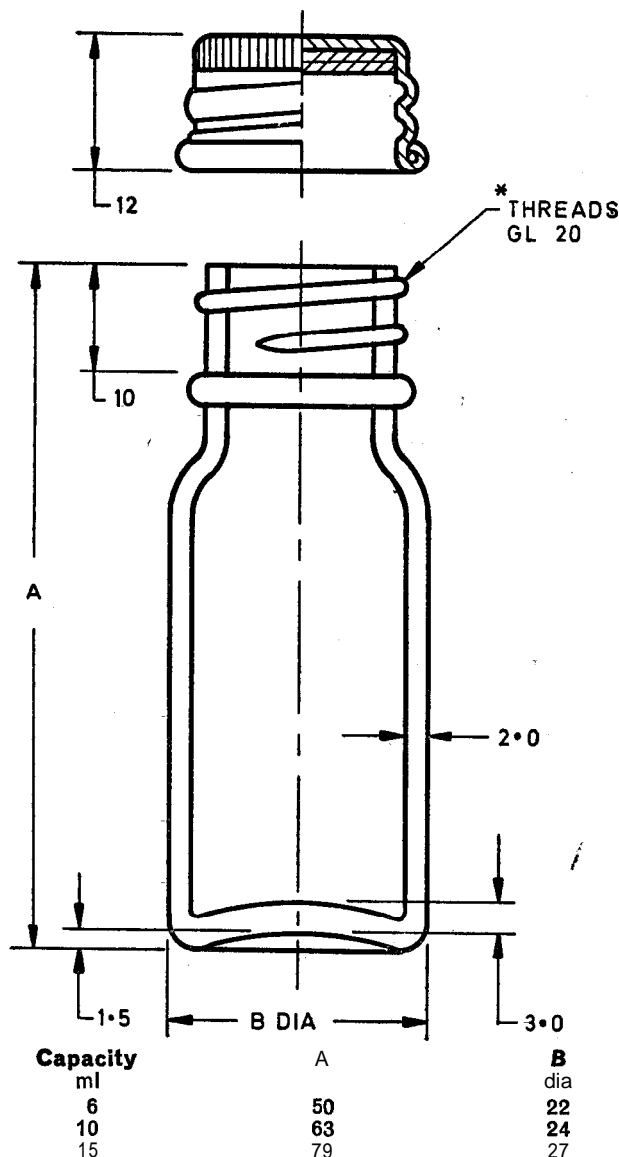
2. Material

2.1 The bottles shall be made from clear, colourless, neutral glass (for definitions, see IS : 1382-1961 Glossary of terms relating to glass industry). The glass shall pass the alkalinity test prescribed for Type I glass in IS : 2303-I 963 ' Method of grading glass for alkalinity '.

2.2 The cap shall be made from aluminium sheet conforming to Designation NS3 of IS : 737-I 965 Specification for wrought aluminium and aluminium alloys, sheet and strip (for general engineering purposes) (revised)'. The minimum thickness of the cap shall be 0.5 mm.

2.3 The wad shall be made from rubber conforming to IS : 3692-1965 ' Specification for rubber closures (pharmaceutical) '. The rubber shall be of suitable thickness.

3. Shape, Dimensions and Capacities -As shown in Fig. 1.



*See IS : 5851-1970 ' Finishes with external screw thread for glass containers and, gauges for inspection of screw closures '.

All dimensions in millimetres.

FIG. 1 BOTTLE, BIJOU, BACTERIOLOGICAL, TYPICAL

Adopted 3 May 1973

© August 1973, ISI

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4. Workmanship and **Finish**

4.1 The bottles shall be well-annealed and shall be substantially free from blisters, bubbles, **striae**, stones, mould marks and other visible defects (for definitions, see IS : **1382-1961**).

4.2 It shall be regular in shape and symmetrical.

4.3 There shall be a reasonably uniform distribution of glass all over the walls and the base.

4.4 It shall be smoothly finished.

4.5 **The neck** of the bottle shall be of even bore.

4.6 The form, pitch and dimensions of the screw threads on the neck of the bottle shall be as per IS : 5851-I 970.

4.7 The cap shall be well made and knurled at the top. It shall properly fit on the neck of the bottle.

4.6 The wad shall be uniform in diameter and thickness. It shall fit in the cap for which it is meant so as to give an air-tight closure to the bottle.

5. Tests

5.1 *Thermal Shock Test* — The bottles shall be boiled in water for 30 **min, then** transferred to water at about 20°C. They shall not show any chipping or cracking.

5.2 Dry *Heat Test* — The bottles shall be subjected to a dry heat test in a sterilizing oven at $180 \pm 2^\circ\text{C}$ for 30 min. They shall not show deterioration in any way.

5.3 *Leakage Test* — The bottles shall be tightly screwed with the wad in place and immersed in hot water at 40°C for 5 min. No bubble shall escape through the bottles.

5.4 *Autoclave Test* -The bottles filled to its nominal capacity with distilled water and tightly capped, shall be **autoclaved** at a steam pressure of **1.4 kgf/cm²** for half an hour. They shall not crack or show any sign of damage.

6. Marking

6.1 The bottles shall be marked with the name of the manufacturer, his initials or recognized trade-mark and the nominal capacity in millilitres.

6.2 *ISI Certification Marking* — Details available with the Indian Standards Institution, New Delhi 110001.

7. Packing -As agreed to between the purchaser and the supplier.